

220-1001 Dumps

CompTIA A+ Certification Exam: Core 1

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NEW QUESTION 1

A technician was called to check an unexpected clicking noise on a desktop that has become more frequent every time a video editing application is loaded. The system fans have been replaced, but the clicking noise remains. Diagnostics have been run on the video card. Which of the following should me the technician do FIRST?

- A. Replace the hard drive.
- B. Replace the video card.
- C. Do a System Restore.
- D. Perform a full data backup.
- E. Scan the system for viruses.

Answer: D

NEW QUESTION 2

A client needs to upgrade the hard drive on a laptop and would like one that is fast and has drop protection. Which of the following is the BEST option for the client?

- A. 5400rpm HDD
- B. 7200rpm HDD
- C. NVMe SSD
- D. Hybrid HDD/SSD

Answer: C

NEW QUESTION 3

The feature that allows users to store files in cloud-based when necessary, but can removed when space is freed up, is known as:

- A. on-demand
- B. resource pool
- C. synchronization application
- D. shared resources

Answer: A

NEW QUESTION 4

A user sets up cable modem at home and connects the modem to the ISP at the cable company. Which of the following network types does this connection describe?

- A. WAN
- B. LAN
- C. PAN
- D. MAN

Answer: A

NEW QUESTION 5

Joe, a user , wants his desktop RAID configured to allow the fastest speed and the most storage capacity. His desktop has three hard drives. Which of the following RAID types should a technician configure to achieve this?

- A. 1
- B. 5
- C. 10

Answer: A

NEW QUESTION 6

A laptop is connected to a conference room projector in extended display mode. The desktop icons appear normal on the laptop, but are disproportionate and illegible on the projector screen. Which of the following should the technician check?

- A. Video resolution
- B. HDMI connection
- C. Keystone
- D. Focus

Answer: A

NEW QUESTION 7

Which of the following requires less current to provide the same amount of power to devices inside a PC?

- A. 5.5V
- B. 12V
- C. 120V
- D. 220V

Answer:

D

NEW QUESTION 8

The network administrator has changed the IP address of ComputerA from 192.168.1.20 to 10.10.10.20 and now Jane, a user, is unable to connect to file shares on ComputerA from ComputerB using the computer name.

INSTRUCTIONS

Using the available tools, resolve the connectivity issues. After troubleshooting the issue, verify a successful connection.

If at any time you would like to bring back the initial state of the simulation? please click the Reset All button.

```
-----
--- Welcome to Computer B -----
-----

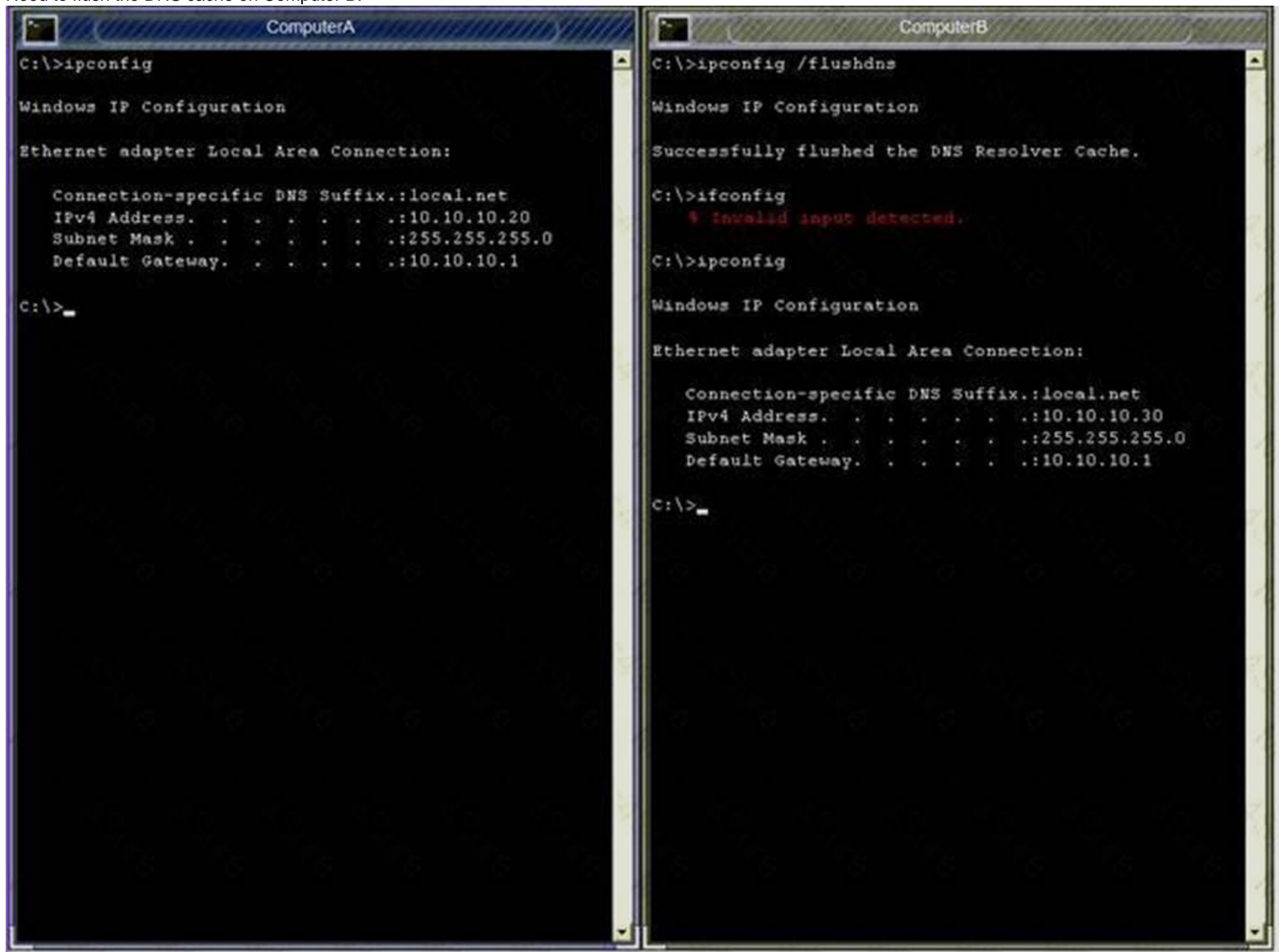
c: > |
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Need to flush the DNS cache on Computer B:



Type in ipconfig/flushdns

NEW QUESTION 9

A user received the following error message while trying to access a shared drive: Network Path was Not Found. Which of the following should be performed to resolve the issue? (Select TWO).

- A. Set the NIC to full duplex.
- B. Disable the local firewall.
- C. Reset the TCP/IP stack.
- D. Disable the Ethernet adapter.
- E. Use static IP addressing instead of DHCP.
- F. Flush the DNS cache.

Answer: CF

NEW QUESTION 10

A user is unable to access websites and has reported connectivity issues with pop-ups on the screen. A technician removes malware, and then is able to ping the router and access the websites.

Which of the following NEXT steps should the technician perform in troubleshooting this issue? (Choose two.)

- A. Documents findings, actions, and outcomes.
- B. Reboot the device to verify the fix.
- C. Reconnect the device to the network.
- D. Verify the settings in IPConfig.
- E. Research the problem based on symptoms.
- F. Run a virus scan.

Answer: AF

NEW QUESTION 10

A customer wants to upgrade a PC's internal storage to have more room to store backups, photos, and videos. The new storage should be large enough to avoid expanding again next year.

Which of the following BEST meets these needs?

- A. 3TB HDD
- B. 50GB NAS
- C. 500TB SAN
- D. 512GB SSD

Answer: A

NEW QUESTION 15

A technician wants to set up a virtual machine in a public cloud environment. Which of the following cloud models should the technician use?

- A. IaaS
- B. SaaS
- C. PaaS
- D. DBaaS

Answer: A

NEW QUESTION 16

An administrator has configured a server to host virtualizes instances. The requirements of each VM must be able to scale automatically depending on peak and off-peak usage. Which of the following terms BEST describes this type of cloud concept?

- A. Over provisioning
- B. Measured pooling
- C. Resources pooling
- D. Rapid elasticity

Answer: A

NEW QUESTION 19

Which of the following has a P4 connector to provide a 12V output?

- A. Molex connector
- B. 24-pin adapter
- C. SCSI cable
- D. eSATA cable

Answer: A

NEW QUESTION 21

A user is experiencing issues synchronizing a smartphone. The user is able to connect to individual services, but each requires a different password. Which of the following needs to be configured to allow the user to access web services securely with a unique password?

- A. SIM
- B. SMB
- C. SSL
- D. SSO

Answer: D

NEW QUESTION 24

Several computers are having network connectivity issues. Two of the computers are wired and are not having any issues. The technician verifies that none of the computers having issues have been assigned a static IP.

Which of the following should the technician check NEXT?

- A. Check the closest AP for the area.
- B. Check each wireless adapter switch
- C. Check the group's network switch.

D. Check the DHCP server.

Answer: D

NEW QUESTION 26

A technician wants to block remote logins to a server. Which of the following ports should be blocked?

- A. 21
- B. 23
- C. 80
- D. 443

Answer: B

NEW QUESTION 28

You need to configure your mobile device to send and receive electronic messages from your company. You must use the company's WLAN as all e-mail services are on default non-secure ports.

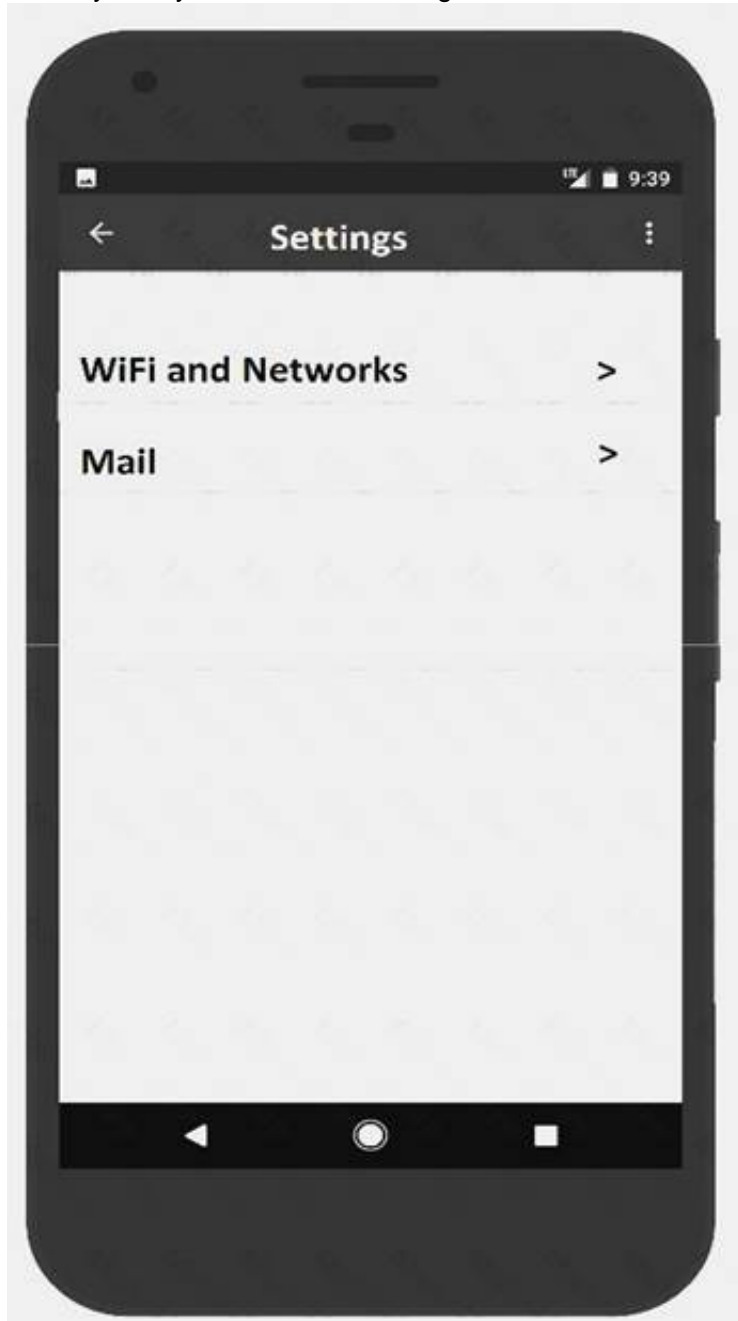
The company's WLAN is broadcasting across the company for easier access. Both incoming and outgoing servers require login credentials.

Use the following parameters:

- Email address tech@techies.com
- Password P@SSwOrd
- Pop techies.com Port 110 Security: None
- IMAP techies.com Port 993 Security SSL
- smtp.techies.com Port 465 Security: TLS
- Company SSID Techies
- Security WPA2
- Passphrase P@SSwOrd
- SSID is not broadcasted

INSTRUCTIONS:
Update the mobile device's parameters to fit the criteria.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

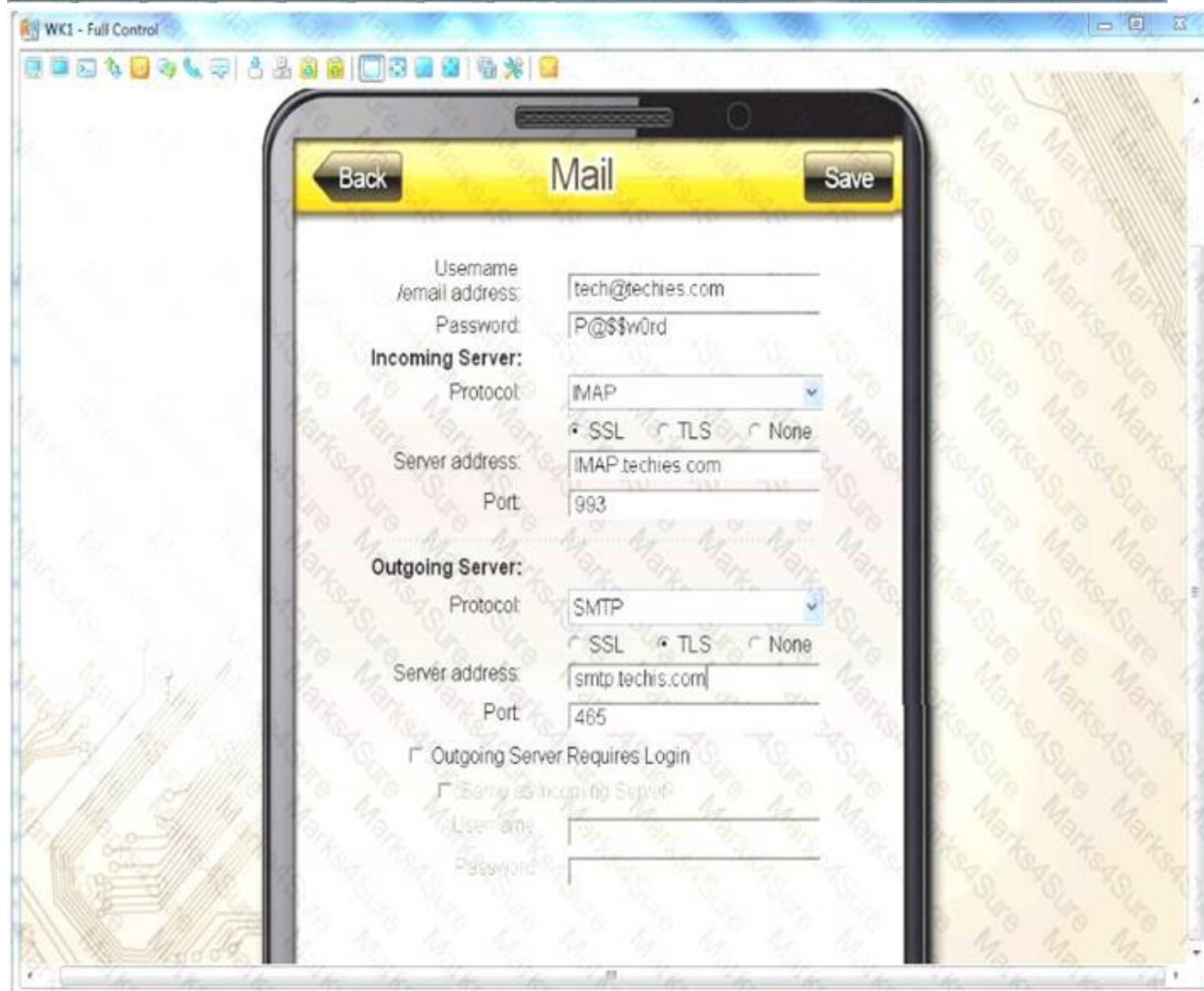
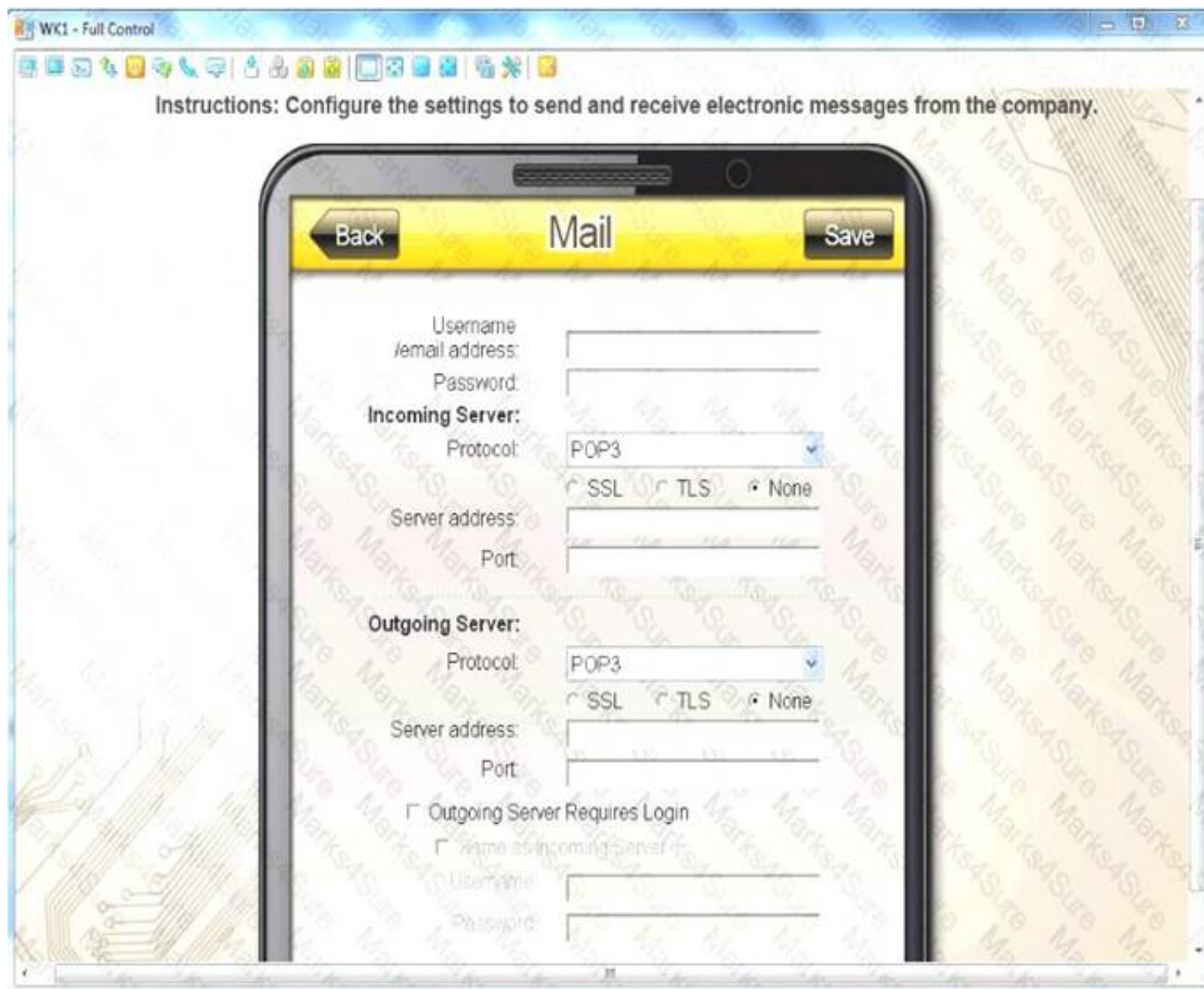


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

See explanation below



NEW QUESTION 33

A technician wants the number of virtual machines hosting a web application in the public cloud environment to scale based on real-time traffic on the website. Which of the following should the technician configure?

- A. Resource pooling
- B. Rapid elasticity
- C. Measured service
- D. High availability

Answer: B

NEW QUESTION 34

A technician receives a cellular from a manager. The technician is instructed to download a service manual directly from the Internet to a laptop. However, there is no WiFi signal or wired Ethernet. Which of the following would be the MOST appropriate connections for the technician to use?

- A. Hotspot
- B. NFC
- C. Bluetooth
- D. VPN

Answer: A

NEW QUESTION 38

A technician is troubleshooting a Windows CAD workstation that is running slow. The computer uses RAID 10 and has dual GPU cards. The user states that the same application runs faster on an identical workstation.

Which of the following should the technician perform FIRST to troubleshoot the problem?

- A. Replace the write cache battery.
- B. Check the event log any cache issues.
- C. Clear the RAID configuration file and restart the PC.
- D. Replace the RAID controller write cache module.

Answer: B

NEW QUESTION 41

A technician is upgrading a user's smartphone and wants to move all of the applications and contact information quickly to the new device.

Which of the following connection types would work BEST to do this?

- A. NFC
- B. IR
- C. OTG
- D. Bluetooth

Answer: A

NEW QUESTION 42

A systems administrator wants to take advantage of the benefits of the major cloud providers while retaining some data and services in the local datacenter. Which of the following types of cloud model should the administrator consider?

- A. Public
- B. Private
- C. Hybrid
- D. Community

Answer: C

NEW QUESTION 47

A user reports being unable to browse the internet. A technician believes the cause of the issue is related to DNS. Which of the following should the technician perform NEXT?

- A. Test the theory attempting to browse to a website known IP address.
- B. Implement preventive measures by manually assigning a DNS server to the PC.
- C. Identify the problem by running the command `ipconfig / flushdns`.
- D. Document the finding in the organization local knowledge base.

Answer: C

NEW QUESTION 49

Which of the following would provide power to an access point?

- A. POE injector
- B. Switch
- C. Repeater
- D. Modern

Answer: A

NEW QUESTION 52

A technician is configuring a high-performance workstation. The technician needs to choose storage for the boot drive with the highest performance possible.

Which of the following drive types BEST meets this requirement?

- A. MicroSD
- B. 15K rpm
- C. NVMe

D. USB flash

Answer: C

NEW QUESTION 55

A technician is setting up a printer for a small office that does not have an RJ-45 jack. The users' computers are all in the same workgroup and are connected physically to the same network switch. The technician needs to make sure all users can print to the new printer through the switch. Which of the following should the technician configure?

- A. Shared printer
- B. Print server
- C. Bluetooth printing
- D. Cloud printing

Answer: A

NEW QUESTION 58

Which of the following is the MOST likely cause for a network PC to have an APIPA address?

- A. DHCP failure
- B. DNS resolution
- C. Duplicate IP address
- D. Cleared ARP cache

Answer: A

NEW QUESTION 60

A technician is setting up a Windows mobile device for a user who had trouble reading text on a previous device, especially at night. Which of the following adjustments would be MOST appropriate?

- A. Use the magnifier.
- B. Increase the resolution.
- C. Use haptic feedback.
- D. Utilize text-to-speech.

Answer: A

NEW QUESTION 62

During an inspection, it was found that data racks were not properly grounded. To pass the inspection and address a growing concern to protect data cabling and equipment, a technician must make sure all racks are properly grounded.

Which of the following tools should the technician use to verify this has been completed?

- A. Multimeter
- B. Cable tester
- C. Tone generator
- D. Voltmeter

Answer: A

NEW QUESTION 65

In a virtual environment, which of the following allows all the VMs to have RAM allocated for use?

- A. Resource pooling
- B. Measured service
- C. Virtual application streaming
- D. Synchronization

Answer: A

NEW QUESTION 67

A technician is building a CAD workstation for a user who will be saving files remotely.

Which of the following components are MOST important to include when configuring the system? (Choose two.)

- A. Gigabit NIC
- B. Graphics card
- C. Liquid cooling unit
- D. HDD size
- E. RAM

Answer: BE

NEW QUESTION 71

A technician is ordering a new motherboard and processors for a company email server. When reviewing the vendor licensing agreement, the technician sees that there is a flat per-socket licensing fee.

Which of the following motherboard/processor combinations should the technician order get the BEST performance while minimizing licensing fees?

- A. A dual-processor motherboard with six hyper threaded cores each.
- B. A single-processor motherboard with hyper threaded eight cores.
- C. A dual-processor motherboard with eight overclocked cores each.
- D. A single-processor motherboard with ten overclocked cores.

Answer: D

NEW QUESTION 76

Joe a technician is dispatched to troubleshoot a server that will not boot. The server console states no boot device can be found Joe reboots the server with the same result. He then attempts to repair the master boot record and boot sector with no results. Joe realizes the server is set up in a RAID 0 configuration and is certain there is a bad hard drive. Which of the following should Joe do to get the server to boot right away?

- A. Unplug the defective hard-drive cable and reboot the server
- B. Change the RAID controller configuration from RAID 0 to RAID 5.
- C. Break the mirror and set the good hard drive as the default boot drive
- D. Replace the faulty hard drive and restore from server data from backup

Answer: D

NEW QUESTION 78

A technician has been asked to fix a problem with a projector. The projector lamp turns off for brief periods during a demonstration. After the technician replaced the lamp, the problem continued with an added message that appears just before the lamp turns off. Which of the following MOST likely need to be performed? (Choose two.)

- A. Reset the lamp life counter
- B. Replace the cooling fan
- C. Adjust the brightness
- D. Update the laptop video driver
- E. Install a higher lumen lamp
- F. Change the video resolution

Answer: AB

NEW QUESTION 81

Which of the following is used to connect a headset to a laptop?

- A. eSATA
- B. BNC
- C. RG-6
- D. USB

Answer: D

NEW QUESTION 86

Following a recent malware infection, a user is unable to access network shares from the local server. A technician verifies the device is able to connect to the Internet and the hosted email provider off-site The technician also confirms the local server is online Additionally, a malware scar reports the user's computer is clean Which of the following is the best NEXT step to troubleshoot the issue?

- A. Verify the DNS servers are configured properly on the device.
- B. Assign a static IP address on the wired network connection
- C. Run a speed test on the network to check for slow transfer speeds
- D. Confirm the network connection is not using a link-local address
- E. Replace the Ethernet cable as it is causing limited connectivity

Answer: C

NEW QUESTION 89

A user receives the following error message when powering on a computer:

Hard drive cannot be found.

A technician restarts the computer, and it boots the OS normally. Several days later, the user reports another problem, but rebooting the computer does not resolve the issue. The technician replaces the motherboard, keeping the same CPU, battery, RAM, and hard drive. The user cannot authenticate at the login screen Which of the following would BEST explain the causes of the problem? (Select TWO)

- A. POST error code beeps indicate RAM failure.
- B. The system time is not set correctly in the BIOS
- C. The voltage on the coin cell is drained completely
- D. UEFI firmware has the Secure Boot setting enabled
- E. Capacitors on the motherboard are distended
- F. Incorrect settings are booting the wrong device
- G. A BSOD error indicates the system is crashing

Answer: CE

NEW QUESTION 93

A user is connected to a docking station with an optical drive and is trying to back up personal files to removable media, but is encountering write errors. Which of the following is MOST likely cause of the errors?

- A. The disk has already been finalized
- B. The files are encrypted
- C. There is a corrupt file on the hard drive
- D. The files are not compatible with the type of disk used

Answer: A

NEW QUESTION 95

The touch-screen feature on a Windows device has stopped working. Which of the following should the technician check FIRST?

- A. Device Manager
- B. Performance Monitor
- C. System configuration
- D. Digitizer settings

Answer: D

NEW QUESTION 98

A technician is replacing the LCD panel in a laptop. Which of the following components is MOST likely to be damaged accidentally during the repair?

- A. Bezel
- B. Hinge
- C. Motherboard
- D. Digitizer

Answer: D

NEW QUESTION 103

Joe, a user, sets up an IMAP connection on his smartphone to connect to webmail. Joe is able to view email, but he receives an error message when trying to send a message. When viewing the mail client's configuration, Joe sees a valid SMTP server and port. Which of the following should Joe check NEXT to resolve the issue?

- A. Configure the email account as a POP3 connection
- B. Ensure the SSL/TLS option is being used
- C. Check that the account password is still valid
- D. Make sure the smartphone is not in airplane mode

Answer: A

NEW QUESTION 107

A user notices the system clock is changed every morning. The computer is shut down daily. A technician checks the time zone and finds it is correct, and then checks the BIOS settings and finds the time to be incorrect. Which of the following is MOST likely the problem?

- A. The CMOS pattering does not have a charge.
- B. Daylight savings time is not enabled.
- C. BIOS time is set to universal time coordinated.
- D. The NTP server has gone off line.

Answer: A

NEW QUESTION 110

A technician was asked to virtualize four existing PCs before decommissioning them. The resulting VMs are imported into a new VM workstation running a hypervisor on top of an OS. Three of the VMs are running properly, but the entire system locks up when trying to start the fourth VM. Which of the following should the technician have reviewed prior to creating the VMs to prevent this from occurring? (Select TWO)

- A. Hypervisor requirements
- B. Storage requirements
- C. Resource requirements
- D. Network requirements
- E. Backup requirements
- F. Security requirements

Answer: AF

NEW QUESTION 112

The cloud model that represents a company maintaining some data in on-premise storage and some data in cloud-based storage is known as:

- A. hybrid
- B. private
- C. public
- D. community

Answer: A

NEW QUESTION 114

A workstation was just moved to a new work location without a surge protector. It was working the day before, but now the PC will not power on, the fans will not spin, and there are no signs of activity. Which of the following should the technician do FIRST?

- A. Check the power cable connection
- B. Check the voltage of the PSU with a tester
- C. Test for distended capacitors
- D. Check the voltage switch

Answer: A

NEW QUESTION 117

A user states the department laser printer continues to display a paper jam error message despite the jam being cleared. Which of the following should a technician do to troubleshoot this problem?

- A. Check the paper path for blocked sensors
- B. Replace the duplex assembly
- C. Run the printer's internal diagnostics
- D. Verify the pickup rollers are in working order

Answer: A

NEW QUESTION 118

A technician would like to install an internal storage drive for a computer. Which of the following cable connectors would MOST likely be used to transfer data? (Select TWO).

- A. USB-C
- B. IDE
- C. SATA
- D. USB-A
- E. Motex
- F. Lightning

Answer: BC

NEW QUESTION 122

Users report they have to select the output tray at the printer, even though the correct tray is selected in the print dialog. Which of the following should a technician perform FIRST to attempt to solve the problem?

- A. Check the user's account for the correct printing privileges.
- B. Reinstall the driver on the print server.
- C. Update the firmware on the commercial office printer.
- D. Run Windows Update on the affected computers.

Answer: B

NEW QUESTION 123

A technician is upgrading the RAM in a server-grade laptop for a company's Chief Executive Officer (CEO). The CEO cannot afford any downtime. Which of the following is the BEST type of memory module to purchase?

- A. LRSIMM
- B. DDR4
- C. Parity
- D. Dual channel

Answer: B

NEW QUESTION 125

Which of the following connector types can be plugged into a device both right-side up and upside down?

- A. USB
- B. USB-C
- C. Mini-USB
- D. Micro-USB

Answer: B

NEW QUESTION 128

Joe, a user, has purchased a new mobile device that uses a different OS than his previous one. Joe wants to copy his contacts and appointments from his corporate account without entering them manually.

Which of the following would be the BEST way for a technician to assist Joe?

- A. Log into the same email provider on the new device, and restore the contacts and dates.
- B. Create a Bluetooth connection between Joe's devices, and copy his contacts and calendar.
- C. Back up the old mobile device to a PC, and import the contacts and schedule from the PC.
- D. Use NFC to transfer all compatible data from one device to the other.

Answer: A

NEW QUESTION 131

A technician configures a new printer to be accessible via a print server. After setting up the printer on a Windows client machine, the printer prints normally. However, after setting up the printer on a macOS client machine, the printer only prints garbled text. Which of the following should the technician do to resolve this issue?

- A. Add a macOS-compatible print driver to the printer object on the print server.
- B. Configure the Windows client to share the printer with the macOS client.
- C. Set the printer on the macOS client to connect to the print server via IPv6.
- D. Ensure the network time of the macOS client matches that of the print server.

Answer: A

NEW QUESTION 133

A user's smartphone has been slow recently. A technician sees the phone was purchased two months ago, and it is top of the line. About a month ago, a new OS update was installed. To address the issue, the technician runs a hardware diagnostic on the device, and it reports no problems. Which of the following is MOST likely the cause of the performance issue on the device?

- A. Too many applications are running updates.
- B. The device is currently running in airplane mode.
- C. The internal memory is failing on the device.
- D. The OS update is too resource intensive for the device.

Answer: A

NEW QUESTION 137

A server needs a RAM upgrade, and a technician has been tasked with retrieving the RAM from storage and then installing it. Which of the following is the BEST RAM type for the technician to retrieve?

- A. SoDIMM
- B. DDR4
- C. Single channel
- D. ECC

Answer: B

NEW QUESTION 142

Ann, an accountant, reports that after turning on her new laptop, she received a message stating her IP address is already in use on the system. She tried going back to her old desktop, which she now only uses for email, but received the same message. The technician checks the account and sees a comment that Ann requires a special network setup to connect to the banking software. Which of the following should the technician do to resolve the issue?

- A. Remove the static IP configuration from the desktop.
- B. Set the laptop configuration to DHCP to prevent conflicts.
- C. Replace the network card in the laptop, as it may be defective.
- D. Bridge the LAN connection between the laptop and the desktop.

Answer: B

NEW QUESTION 146

Which of the following wireless standards is only capable of 5GHz frequencies?

- A. 802.11a
- B. 802.11ac
- C. 802.11b
- D. 802.11g

Answer: A

NEW QUESTION 150

A technician is setting up a new SOHO router for a home user. The user has a media server to be accessible from the Internet while the user is traveling. Which of the following should the technician configure to allow access to the server from the Internet?

- A. Port forwarding
- B. NAT
- C. MAC filtering
- D. QoS

Answer: A

NEW QUESTION 152

An end user reports a Windows-based PC just had a BSOD. The PC rebooted, and the user is now logged back in and working without any issues. Which of the following should a technician check FIRST to begin troubleshooting?

- A. Hard drive S.M.A.R.T.
- B. data
- C. Event Viewer
- D. Device Manager

- E. BIOS settings
- F. Performance Monitor

Answer: B

NEW QUESTION 156

Which of the following features will save the battery life of a laptop significantly if they are disabled? (Choose two.)

- A. Touchpad
- B. Volume
- C. Screen orientation
- D. Cellular
- E. Bluetooth
- F. Fingerprint reader

Answer: DE

NEW QUESTION 157

A technician is setting up a new wireless network at a branch office that previously had only wired connectivity with statically assigned IP addresses. After setting up the network, the technician configures a server to provide IP addresses to wireless clients. During testing, the technician is unable to access the Internet or named network resources. The technician receives a valid IP address from the DHCP server and can ping the default gateway.

Which of the following should be technician check NEXT to resolve this issue?

- A. Ensure the options are configured to provide a DNS server.
- B. Verify the Windows Firewall is turned off.
- C. Configure the wireless network's SSID to be hidden.
- D. Enable file and printer sharing in the OS.

Answer: A

NEW QUESTION 158

A client brings in a smartphone with a cracked screen to be repaired. During the repair process, the technician places the screws in a small container to prevent losing them. The technician tests the replacement screen to ensure it works properly before dosing the device. Once the device is back together however it does not power on. The technician disassembles the device once again to test the screen and finds it has shorted out. Which of the following disassembly procedures should the technician have followed to prevent this from occurring?

- A. Label the locations of the screws
- B. Refer to manufacturer resources
- C. Document the orientation of the cables
- D. Use the appropriate hand tools

Answer: A

NEW QUESTION 161

A technician needs to give users the ability to transfer files between mobile devices. The technician teaches the staff how to use a file transfer method in which the devices need to be in close proximity with line-of-sight access to each other. Which of the following technologies is the technician teaching to the staff?

- A. IR
- B. Bluetooth
- C. Tethering
- D. NFC

Answer: A

NEW QUESTION 166

A customer reports being unable to access email on desktop workstation, however, other office application are working. A technician determines the computer has an IP address of 169.254.1.10. The technician learns from the customer that the computer recently was moved across the room. Which of the following troubleshooting steps should technician take NEXT?

- A. Check the default gateway
- B. Verify physical Ethernet connections
- C. Test web browser functional
- D. Restrict the computer
- E. Resolve the IP address conflict

Answer: E

NEW QUESTION 167

Which of the following is considered a connection-oriented protocol?

- A. UDP
- B. TCP
- C. SSH
- D. HTTP

Answer: B

NEW QUESTION 171

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